

US EPA ARCHIVE DOCUMENT

## Summary of Final EAC Control Measures and Schedule for Implementation

### December 31, 2004 Milestone

Table Revised May 10, 2005

**NOTE:** This summary of control measures for EAC areas is based on information included in the State Implementation Plans due 12/31/2004. "VOC/NOx Reduction" columns with a blank, "N/A" or "NQ" indicate that emission reductions were not calculated often because they are too difficult to quantify or because information is lacking, or not currently available. If a measure was not modeled, the area chose not to quantify emission reductions. The "Measures Modeled" column indicates whether a control strategy was included in the attainment demonstration model. Putnam & Haywood Counties, TN opted out of the program & are not included in this table.

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
<b>3<sup>1</sup> Washington Co., MD (Effective date of nonattainment designation deferred)</b>						
Ride sharing/commuter connections	MWCOG & MTA	Implemented	0.33 kg/d	0.31 kg/d		N
Transit programs	Washington Co	Implemented	7.4 kg/d	6.4 kg/d	Many	N
Park and Ride lots	MDOT	Implemented	1.77 kg/d	1.8 kg/d	measures	N
Telecommuting	State/Fed gov; MWCOG	Implemented	3.1 kg/d	3.3 kg/d	are	N
Ozone action days	MDE; Wash Co	by July 2005	NQ	NQ	ongoing	N
Public education outreach	MDE; Wash Co	by June 2005	NQ	NQ		N
E-gov/e-commerce enhancement	Washington Co; MVA	by Dec. 2005	1.6 kg/d	0.3 kg/d		N
New jobs tax credit	Washington Co	Implemented	1.6 kg/d	1.85 kg/d		N
Growth management program	Washington Co	Implemented	13.2 kg/d	15.4 kg/d		N
Signal system enhancements	SHA	FY 2004	10.2 kg/d	3 kg/d		N
Incident mgt/Intell trans. System	MDOT-CHART	Implemented	17.6 kg/d	8 kg/d		N
On-road vehicle replacement	SHA	End of 2005	1.5 kg/d	13.7 kg/d		N
Vehicle Emissions Inspection Program	MDE, MVA & Washington Co.	Implemented	480.8 kg/d	562.5 kg/d		Y
OTC- consumer products	MDE	Implemented	109 kg/d	0		Y
OTC-architectural and ind main	MDE	Implemented	92 kg/d	0		Y
OTC-portable fuel containers	MDE	Implementd	54 kg/d	0		N
OTC-low emissions paint	MDOT-SHA	Implemented	26 kg/d	0		Y
Off-road vehicle replacements	Washington Co	Feb. 2002; Jan. 2004	NQ	NQ		N
RACT Controls -- Post 1999 inventory RACT	MDE	Implemented	0	1312 kg/d		N
<b>Comments:</b>						
<b>27 Northern Shenandoah Valley, VA (Effective date of nonattainment designation deferred)</b>						
Ozone action days/public awareness -multiple activities	Win/Fred co	Spring 2005	0.3 TPD	0.02 TPD	70,000/year	Y
VMT Reduction programs - multiple activities	Win/Fred co	Spring 2005	0.15 TPD	0.3 TPD		N
Open burning restrictions	Win/Fred co	Spring 2005	0.28 TPD	0.12 TPD		N
Engine idling restrictions -truck;school bus	Win/Fred co	Spring 2005	0	0.1 TPD		N
School bus/heavy duty diesel retrofit	Win/Fred co	Spring 2005	0.002 TPD	0.001 TPD	475,000-DEQ	N
Voluntary industrial reductions	Win/Fred co	Spring 2005	NQ	NQ		N
Regional Reduction of NOx Emissions	State	May 31, 2004	NQ	NQ		Y

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
National Low Emission Vehicle Program	State	Implemented	NQ	NQ		Y
RACT Controls -- VOC only, no NOx reductions	State	Nov. 15, 2005	0.792 TPD	0		Y
Enhanced Ozone Forecasting tool	State	2005	NQ	NQ		N
State Cutback Asphalt Regulation	State		0.001 TPD	0		Y
<b>Comments:</b>						
<b>31 Roanoke area, VA (Effective date of nonattainment designation deferred)</b>						
Reduce locomotive idling	Norfolk Southern Railway Company	Implemented	0	0.153 TPD		N
Limit idling-school buses	Roanoke MSA	Implemented	0	0.003 TPD		N
Retrofit 100 school buses- oxid catalyst	Roanoke County	Summer 2005	0.586 TPY	1.67 TPY	226,644	N
Retrofit 102 school buses - oxid catalyst	Roanoke City	End of 2005	NQ	NQ	Funding obtained	N
Bio-diesel solid waste trucks-purchased	Roanoke City	Implemented	0	0.27 TPY		N
Ethanol alternative fuel vehicles	Roanoke City	2007	NQ	NQ		N
Biodiesel ready trucks	Roanoke City	2007	NQ	NQ		N
Hybrid vehicles	Roanoke City	Implemented	<0.001 TPD	<0.001 TPD		N
Alternative fuel vehicles	Roanoke County	Implemented	<0.001 TPD	<0.001 TPD		N
Implement effective environmental driving	Roanoke County	Implemented	NQ	NQ		N
Public education: Air Quality Action Day	Counties of Roanoke and Botetourt, Cities of Roanoke, Vinton and Salem	Implemented	NQ	NQ		Y
Timing of refueling vehicles	Counties of Roanoke and Botetourt, Cities of Roanoke, and Salem	Implemented	NQ	NQ		Y
Promote alternative fuel vehicles	Roanoke County	Implemented & on-going	NQ	NQ		Y
Media/public relations program	Multiple parties	Implemented	NQ	NQ		Y
Public transit incentives	Multiple parties	Implemented	NQ	NQ		Y
Bike Infrastructure and Amenities	Multiple parties	Urban implemented; Rural in progress	NQ	NQ		Y
Expand public education program	Multiple parties	Implemented & on-going	NQ	NQ		Y
Tree planting program	Counties of Roanoke and Botetourt, Cities of Roanoke, and Salem	On-going	NQ	NQ		Y
Mass transit to Blacksburg	Ride Solutions, Valley Metro	Implemented	0.009 TPD	0.004 TPD	950,000	Y
Replace gas golf carts w/electric	Roanoke MSA	End of 2005		0.061 TPY		N
Replace gas mowers w/electric	private sector voluntary program	End of 2005	0.017 TPD	0.001 TPD		N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Open burning ban -expanded	Counties of Roanoke and Botetourt, Cities of Roanoke, and Salem	Implemented	0.56 TPD	0.24 TPD		N
Mandatory Restriction lawn equipment usage during ozone action days	Roanoke MSA	Implemented	0.366 TPD	0.094 TPD		Y
Voluntary Private Sector Restriction lawn equipment usage during ozone action days	Private sector voluntary program	End of 2005	0.072 TPD	0.016 TPD		Y
Cradle to Cradle Design Competition	Roanoke Redevelopment and Housing Authority	End of 2005	NQ	NQ		N
Regional Reduction in NOx emissions	State	May 31, 2004	NQ	NQ		Y
National Low Emission Vehicle Program	State	April 14, 1999	NQ	NQ		Y
Stage1 Vapor Recovery	State	Implemented	640.9 TPY	NA		Y
CTG RACT -- CTG VOC RACT and NOx RACT	State	Initiated 2005	355.5 TPY	288.4 TPY		Y
State Cutback Asphalt Regulation	State	Initiated 2005	1.75 TPY	NA		Y
Enhanced Ozone Forecasting tool	State	2005	NQ	NQ		N

**Comments:****36 Eastern Panhandle, WV (Effective date of nonattainment designation deferred)**

Ozone action day program	Berkeley & Jefferson Cos.	July 1, 2004	0.32 TPD	0.09 TPD	220,000 provided by participants	N
Public awareness program	Berkeley & Jefferson Counties, City of Martinsburg	July 1, 2004	0.72 TPD	0.88 TPD		N
Bicycle/pedestrian measures	Berkeley & Jefferson Counties, City of Martinsburg	Sep. 1, 2005	0.2 TPD	0.12 TPD		N
Reduce engine idling	Berkeley & Jefferson Counties, City of Martinsburg	July 1, 2004	0.01 TPD	0.17 TPD		N
School bus engine retrofit	Berkeley & Jefferson Counties, City of Martinsburg	Jan. 1, 2005	0.001 TPD	0.02 TPD	Env Mitigation project	N
Voluntary -ground freight industry	Berkeley & Jefferson Cos.	July 1, 2005	0.07 TPD	0.84 TPD		N
Open burning-increase compliance	Berkeley & Jefferson Cos.	July 1, 2004	0.0054 TPD	0.0005 TPD		N

**Comments:****5 Fayetteville, NC (Effective date of nonattainment designation deferred)**

Landscape ordinance - noresidential	Cumberland Co; Fayetteville	Dec. 2005	NA`	NA		N
Smart growth audit	Cumberland Co; Fayetteville	Dec. 2005	---	NA		N
Pedestrian trails	Cumberland Co; Fayetteville	Dec. 2005		NA		N
Brownfield development	Cumberland Co; Fayetteville	On-going		NA		N
Shared parking facilities	Cumberland Co; Fayetteville	Dec. 2005		NA		N
Green space inventory	Cumberland Co; Fayetteville	March 2004		NA		N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
185 vehicles converted to biodiesel	Fort Bragg	Dec. 2005	0.005 TPD	0.003 TPD	Committed	N
Electrical outlets- reduce truck idling	Fayetteville	Oct. 2005		NA		N
Retrofit school buses	Fort Bragg	by Summer 2005	0.42	NA	\$50,000 grant	N
Using ITS and dynamic message	Cumberland Co; Fayetteville	Dec. 2005		NA	Committed	N
Enhance mass transit	Fayetteville; Fort Bragg	Dec. 2005	0.25 TPD	0.008 TPD	Committed	N
Develop database-carpool	Fayetteville	June 2004		NA		N
Increase rural paratransit	Falcon, Godwin, Stedman	Dec. 2005		NA		N
Encourage Park and Ride for events	Fayetteville; Fort Bragg	On-going				N
Use landfill gas; support NC Green Power	Cumberland Co	On-going; Spring 2004		0.014 TPD		N
Energy efficient buildings	Cumberland Co; Fayetteville & Fort Bragg	On-going		NA	Committed	N
Energy reduction - LNB; water based paints	Fort Bragg	On-going	NA`	NA		N
Air Quality Coordinator	Cumberland Co	May 2003			Committed	N
Student outreach	Cumberland Co; Fayetteville	On-going		NA		N
Public education outreach	Cumberland Co; Fayetteville	On-going		NA		N
Speakers bureau	Cumberland Co; Fayetteville	On-going		NA		N
Air quality web page	Cumberland Co	On-going		NA		N
Promote bus youth riders	Fayetteville	On-going		NA		N
Education - libraries	Cumberland Co	On-going		NA		N
Open burning ban -ozone action days	State-wide	June 2004	0.2 TPD	0.1 TPD		Y
Expand vehicle I& M	State-wide	July 2003	0.6 TPD	0.7 TPD		Y
<b>Comments:</b>						
<b>6 Mountain area of western NC</b>						
Open burning ban -ozone action days	State-wide	June 2004	0.5 TPD	0.4 TPD		Y
Expand vehicle I& M	State-wide	July 2005	0.6 TPD	0.7 TPD		Y
<b>Comments:</b>						
<b>7 Triad, NC (Effective date of nonattainment designation deferred)</b>						
Open burning ban -ozone action days	State-wide	June 2004	2.1 TPD	1.5 TPD		Y
Expand vehicle I& M	All Cos except Caswell, Yadkin	July 2002; July 2004	1.7 TPD	4.0 TPD		Y
Purchase newer, less polluting vehicles	11 Counties	Jan. 2004	1.1 TPY	0.9 TPY		N
Convert to biodiesel for all vehicles	Greensboro	Spring 2003			Committed	N
Contract incentives for low emission vehicles	11 Counties	Possible				N
Tax to support PART regional work program	Guilford, Forsyth Cos.	2003			2.5 million in 2003	N
Add 20 Park and Ride lots	Guilford, Forsyth Cos.	2004-2007	1.8 TPY	3.2 TPY	Funds on hand	N
Add 5 vans/yr to ridesharing	Guilford, Forsyth Cos.	Jan. 2004	0.7 TPY	0.7 TPY		N
Increase ridership on regional bus service	Guilford, Forsyth Cos.	On-going	8.9 TPY	7.3 TPY	Committed	N
Expand carpooling - PART	Guilford, Forsyth Cos.	Jan. 2004	23.2 TPY	19 TPY		N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
RJ Reynolds-Tobaccoville-eliminate use of coal fired boilers during ozone season	Forsyth Co.	2004		5.4 TPD		Y
Energizer-reduce vehicle fleet; 90% of forklifts-battery	Randolph Co.	June 2004				N
Duke-reduce mobile reading-56 trucks	11 Counties	2003		1300 lb/ozone season		N
Duke-idling reduction guidelines	11 Counties	Summer 2004				N
Diesel retrofits-50-100school buses	Guilford Co.	2004	17 TPY	23 TPY	100,000	N
Diesel retrofits-other vehicles	11 Counties	TBD	7.0 TPY	10 TPY		N
No idling-all school buses	Guilford Co.	2003				N
Energy efficient public buildings	Guilford; Davidson; Randolph Cos.					N
Flex, compress work schedule;telecommuting	11 Counties	On-going	189 TPY	155 TPY		N
ITS	Winston Salem- Greensboro	On-going				N
Encourage non-motorized transportation	11 Counties	On-going	279 TPY	229 TPY		N
Smart growth policies	11 Counties	On-going			Committed	N
Truck stop electrification	Mebane	July 2004; July 2005	1.8 TPY	35 TPY	Committed	N
Reduce fleet emissions	Triad-wide	Oct. 2004				N
Emission reduction clearinghouse	Triad-wide	April 2005				N
Hospital transportation shuttle	Triad-wide	April 2004				N
Enhance mass transit facilities	Greensboro; WinstonSalem; High Point					N
Mass transit incentives		Dec. 2005				N
Commuter/intercity rail		Fall 2004				N
Feasibility of HOV/HOT lanes - I-40	Forsyth, Guilford, Almanace Cos.	Summer 2005				N
<b>Comments:</b>						
<b>8 Unifour Area, NC (Effective date of nonattainment designation deferred)</b>						
Open burning ban-ozone action days	State-wide	June 2004	0.7 TPD	0.5 TPD		N
Local govs join NC Air Awareness Program	All areas	2004				N
Enhanced awareness; outreach;educate	All areas	2003 / On-going				N
Energy conservation plan	All areas	2005	0.5 TPY	0.4 TPY		N
Staff person-air quality contact	All areas	2004				N
Adopt local clean air policy	All areas	2005				N
Landscape/tree ordinances	All areas	2003 / 2005				N
Implement Smart Growth	All areas	2003 / 2005				N
Encourage bicycle and pedestrian usage	All areas	2003 / 2005	2.0 TPY	1.6 TPY		N
Support coordination of planning organizations	All areas	2003				N
Encourage compressed/flexible work	All areas	2004	1.5 TPY	1.3 TPY		N
Expand transit and ridesharing	All areas	2004	0.5 TPY	0.4 TPY		N
More efficient trafficking systems	All areas	2005				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Expand vehicle I& M	All areas except Alexander	July 2003 - July 2005	0.8 TPD	0.8 TPD		Y
Clean Smokestacks Act	Marshall Steam - Catawba Co.	June 2005		4.95 TPD		Y
<b>Comments:</b>						
<b>11 South Carolina State Measures</b>						
Ozone forecast/outreach, education	4 EAC areas- upstate, Central Midlands, Pee Dee, Central Savannah River					N
Open Burning-ban household trash burning	State-wide	2005	698 TPY	147 TPY		N
SC NOx Control Reg - new sources	State-wide	2005		2913 TPY		N
Assist local areas in determining emission reductions	State-wide					N
Clean Air Initiatives for Gov Entities	State-wide	April 2005				N
Smart highways	State-wide	2005				N
NOx reduction-large facilities	State-wide	April 2005		12,500 TPY		N
<b>Comments:</b> Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment.						
<b>11 Appalachian, SC (Effective date of nonattainment designation deferred)</b>						
Develop stakeholder group-reg development	Anderson, Greenville, Spartanburg Cos.	On-going		7,200 TPY		N
Ozone Action coordinator	same as above	March 2003	NA	NA		N
Low S fuels - asap	same as above	On-going				N
ITS-design and implement	same as above	2003 / On-going				N
Encourage use of hybrid vehicles	same as above	2004-2005				N
School buses-higher efficiency engines	same as above	ASAP				N
Promote bike paths	same as above	2004				N
Park & Ride to plants	same as above	2004				N
Downtown shuttles;rapid transit bus	same as above	2004				N
Free or reduced public transportation fares-ozone action days	same as above	2004				N
Integrate transportation planning with land use planning	same as above	2004				N
Review & update air emission inventory	same as above	Fall 2003				N
Seek reductions from major sources	same as above	2005		500-1,000 TPY		N
Develop program to purchase or repair smoking vehicles	same as above	2005			Use funds from license plate sales	N
Ban open burning of on-site commercial	same as above	2004				N
Incentives for purchasing high efficiency, low emissions vehicles	same as above	2005				N
Land use/transportation planning	same as above	2004				N



Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Encourage use of green power; capture landfill	same as above	2004				N
Promote route efficiency for delivery vehicles,garbage	same as above	2004				N
Encourage alternate work schedules	same as above	2004				N
Establish Park and Ride lots	same as above	2004				N
Encourage carpooling;telecommuting		2004				N
Establish active public awareness	same as above	2004				N
Promote research in energy efficiency - local universities	same as above	2005				N
Encourage use of alternate fuels	same as above	On-going				N
Evaluate use of HOV on 3 interstates	same as above	2005				N
Modify speed limits for optimum fuel efficiency	same as above	2005 or 2006				N
Develop process for minimizing impact of major building projects	same as above	2004				N
Encourage community schools	same as above					N
Improve landscape at county facilities	Greenville Co.					N
Transco-early implementation of Phase 2	Spartanburg Co..	Dec. 2005		2561 TPY		N
Duke Power- install advanced low Nox burners	Anderson Co.			1000 TPY	7000000	N
School Bus Retrofits	Anderson, Greenville, Spartanburg Cos.		0.76 TPY			N
Gas Can Exchange Event - 115 cans were distributed	Greenville Co.	June 2003	711 lbs/yr			N
Truck Stop Electrofication Project	Anderson Co.	2004	1.84 TPY	36.2 TPY		N
<b>Comments:</b>						
<b>13 Catawba, SC</b>						
Road improvements-intersections;sidewalks	York Co	2004-2012			174 million sales tax approved - Nov. 2003	N
Peak hr bus service to Charlotte	York Co	2004-2006				N
Update development regulations	York Co	On-going				N
Ban open burning during ozone action days	York Co	On-going				N
Adopt long range transportation plan	York Co	2003-2025				N
Work with SEQL project	York Co	2004				N
Establish communtiy stakeholder group	Chester Co.	Nov. 2003				N
Establish outreach website	Chester Co.	Nov. 2003				N
Improve picnic area - promote eat-in	Chester Co.	May 2005				N
Encourage co employees to carpool; walk to work	Chester Co.	May 2005				N
Encourage co to buy recycled; energy efficient products	Chester Co.	May 2004				N
Announce ozone action days on radio	Chester Co.	April 2004				N
Encourage nature base tourism	Chester Co.	May 2004				N
Ozone awareness booth -Festivals	Chester Co.	Oct. 2003				N



Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Partnership with SEQL	Chester Co.	Oct. 2003				N
Energy audit	Chester Co.	August 2003				N
Plant 500 trees	Chester Co.	May 2005				N
Provide more protection for trees	Chester Co.	May 2005				N
Encourage carpooling, school bus	Chester Co.	May 2004				N
Buy in bulk; less packaging	Chester Co.	May 2005				N
Reusable dining materials	Chester Co.	May 2005				N
EAP organization meeting	Lancaster Co	May 2003				N
Ozone Action coordinator	Lancaster Co	July 2003				N
Park and Ride lots- 20% of workforce	Lancaster Co	On-going				N
Ozone -website	Lancaster Co	July 2003				N
Public service announcements	Lancaster Co	July 2003				N
Community meetings	Lancaster Co	July 2003				N
Alternate work schedules	Lancaster Co	April 2004				N
Educate public	Lancaster Co	2003-2007				N
Improve recycling programs	Lancaster Co	On-going				N
Alternative fuel for county fleets	Lancaster Co	On-going				N
Educate Counties to utilize emission control on heavy machinery	Lancaster Co	On-going				N
Synchronize traffic lights	Lancaster Co	On-going				N
Implement steps-purchase alternative fuel buses	Lancaster Co	On-going				N
Implement bike/walk trails to shopping centers	Lancaster Co	On-going				N
Restrict lower grade students from driving to school	Lancaster Co	August 2003				N
Control open burning	Lancaster Co	August 1, 2003				N
School Bus Retrofits	York Co.	2006	0.15 TPY			N
Identify Air Quality contact for ozone education	Lancaster & Union Counties	March 2003				N
<b>Comments:</b>						
<b>12 Berkeley-Charleston-Dorchester, SC</b>						
Appoint Ozone Action Coordinator	Charleston Co.	2003				N
Add ozone alert to county website	Charleston Co.	2003				N
Expand electronic transactions	Charleston Co.	On-going				N
Develop,implement ozone public education plan	Charleston Co.	Begin FY 2004				N
Expand use of hybrid cars	Charleston Co.	FY 2005				N
Use right size - county fleet	Charleston Co.	FY 2005				N
Include fuel efficiency/emission ratings	Charleston Co.	FY 2005				N
Purchase vehicles/light trucks to meet new standards	Charleston Co.	On-going				N
Purchase heavy duty diesel trucks to meet new	Charleston Co.	On-going				N
Convert to use of low-sulfur gasoline	Charleston Co.	On-going				N
Consider pilot test for county fleets	Charleston Co.	FY 2005				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Best practices for fueling	Charleston Co.	FY 2004				N
Land use plan-develop mass transit	Charleston Co.	On-going				N
Limit emissions from counties small engines	Charleston Co.	Over 5 yrs				N
Ask garages to limit idling	Charleston Co.	FY 2004				N
Energy conservation at county bldgs	Charleston Co.	FY 2004				N
Expand flexible hrs-county employees	Charleston Co.	FY 2004				N
Encourage walking, biking, car pooling	Charleston Co.	FY 2005				N
Form regional stakeholders group	Charleston Co.	FY 2004				N
Remain current w/stakeholders	Dorchester Co.	On-going				N
Support programs to reduce ozone for SCDOT	Dorchester Co.	On-going				N
Set the example-telcommuting;car pooling;flex schedules; alternate fuel vehicles	Dorchester Co.	On-going				N
Educational programs	Dorchester Co.	TBD				N
Schools-add sidewalks, increase bus usage;restrict vehicle idle times	Dorchester Co.	TBD				N
Ozone conditions-TV	Dorchester Co.	May 2004				N
Educate public - festivals, lecturer, brochure	Dorchester Co.	TBD				N
Planning for future green spaces	Dorchester Co.	On-going				N
Cluster development, Smart Growth, mass transit	Dorchester Co.	On-going				N
Conserve energy in county property	Berkeley Co.	June 2003				N
Designate Ozone Action Coordinator	Berkeley Co.	March 2003				N
Zoning ordinance-landscape buffers	Berkeley Co.	Sep. 2000				N
Implement Greenspace initiative	Berkeley Co.	Sep. 2000				N
Encourage development of non-polluting industries	Berkeley Co.	On-going				N
Encourage recycling goods	Berkeley Co.	On-going				N
Increase focus-composting	Berkeley Co.	On-going				N
Install passive gas vents-landfill	Berkeley Co.	Prior to 2004				N
Purchase 2 alternative fuel vehicles for Sheriff Dept	Berkeley Co.	February 2004				N
Best management practices-engines	Berkeley Co.	On-going				N
Staggered work schedule	Berkeley Co.	On-going				N
<b>Comments: .</b>						
<b>14 Central Midlands, SC (Effective date of nonattainment designation deferred)</b>						
Air Quality Contact	Richland Co.	March 2003				N
Gas can exchange plan	Richland Co.	June 2004				N
Promote land-use planning to promote air quality	Richland Co.	Jan. 2003				N
Participate in Clean Cities	Richland Co.	July 2003				N
Industry Advisory Panel	Richland Co.	Summer 2004				N
Purchase electric instead of golf carts	Richland Co.	On-going				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Purchase 15 CNG vehicles	Richland Co.	Late 2004			Applied for Clean Cities grant	N
Educate public;increase media alerts	Richland Co.	June 2003				N
Speak to municipalities in County	Richland Co.	Spring 2003				N
Flex/compress schedule- County employees	Richland Co.	On-going				N
Encourage carpooling	Richland Co.	On-going				N
Develop city and county energy plan	Richland Co.	On-going				N
Encourage mass transit	Richland Co.	On-going				N
Assign staff -air quality expert	Richland Co.	On-going				N
Encourage not overfilling fuel tank	Richland Co.	June 2003				N
County employees-restrict mowing during ozone action days	Richland Co.	On-going				N
Land Devevelopment Code/Tree ordinances	Richland Co.	Jan. 2005 / TBD				N
Reduce NOx, VOC emissions at International Paper	Richland Co.	On-going		1000 TPY		N
Reduce NOx emissions from SCE&G - 2 coal fired	Richland Co.	On-going		40 %		N
School Bus Retrofits	Lexington & Richland Cos.	2006	0.42 TPY			N
Gas Can Exchange Events - 250 cans were distributed	Lexington & Richland Cos.	June 2004 & Oct. 2004	823 lbs/yr			N
Improvements to Park and Ride lot at Highway 378 and I-95	Lexington Co.		924 lbs/yr	476 lbs/yr		N
Conversion of Commercial Vehicle Fleet to Propane	Lexington Co.		1,300 lbs/yr	1,638 lbs/yr		N
Biodiesel Buses, University of South Carolina.	Richland Co.		12 lbs/yr	25 lbs/yr		N
University of South Carolina Ethanol Project	Richland Co.		19 lbs/yr	18 lbs/yr		N
Take a Break from the Exhaust program	Lexington, Newberry, Kershaw, and Richland Cos.		568 lbs/yr	393 lbs/yr		N
SC DHEC has a number of flex fuel vehicles that run almost exclusively on E85.	Richland Co.		104 lbs/yr	103 lbs/yr		N
Smart Ride – Mass Transit Program	Lexington, Newberry, Kershaw, and Richland Cos.		153 lbs/yr	207 lbs/yr		N
Ethanol (E85) refueling station for public	Richland Co.	Oct. 2004	162 lbs/yr	621 lbs/yr		N
<b>Comments:</b>						
<b>16 Lower Savannah-Augusta, SC-GA</b>						
Air Quality Contact-ozone ed/outreach	Calhoun, Bamberg., Allendale, Barnwell, Orangeburg and Aiken Cos.	March 2003				N
Delay/reschedule mowing on ozone action days	County government	July 2003				N
Delay/reschedule landscaping activities on ozone action days	County government	July 2003				N
Don't top off fuel tanks	County government	July 2003				N
Turn off lights/computers	County government	July 2003				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Restrict painting-ozone action days	County government	July 2003				N
Promote employee awareness of ozone issues	County government	July 2003				N
Change work schedule	County government	July 2003				N
Seek information on alternative fuels		TBD				N
Reduce idling especially during high ozone days	County vehicles	2003				N
Stricter controls on illegal burning	County-wide	2003				N
Replace vehicles with latest emission reduction vehicles	County vehicles	TBD				N
Community education	County-wide	2003 / On-going				N
Switch vehicles to bio-diesel	Aiken Co.	2002				N
Low-sulfur Type II fuels in all vehicles	Aiken Co.	July 2003				N
Promote Early Action Plan	Aiken Co.	July 2003				N
Commuter Choice Program	Aiken Co.	May 2003				N
Install ITS equipment along major routes	Aiken Co.	2007				N
Revise ordinances to promote bike/pedestrian	Aiken Co.	June 2003				N
Establish minimum tree planting requirements	Aiken Co.	June 2003				N
Ban or limit open burning	Aiken Co.	Implemented				N
Encourage carpool to lunch	Aiken Co.	2003				N
Install workplace occupancy sensors -reduce energy	Aiken Co.	2003-2004				N
Use reflective paint to reduce energy consumption	Aiken Co.	2003-2004				N
Purchase Energy Star products	Aiken Co.	2003				N
Stakeholder development	Orangeburg Co.	June 2003				N
Public education program	Orangeburg Co.	July 2003				N
Purchase test alt fuel vehicles	Orangeburg Co.	June 2004				N
Monitor/reduce engine idling	Orangeburg Co.	June 2004				N
Open burning ban -ozone season	Richmond / Columbus Cos., GA	May 2005	1.75 TPD	0.71 TPD		N
Voluntary smog alerts	Richmond Co	July 2004				N
Stage I Vapor Recovery	Richmond Co.	May 2006	1.09 TPD			N
Maintain vehicles at peak efficiency and replaced with more efficient	Richmond Co.	On-going				N
Reinforce prohibit idling when not in use	Richmond Co.	On-going				N
Promote use of alternative fuel vehicles	Richmond Co.	Dec. 2004				N
Protect natural areas;minimize use of motorized vehicles;pesticides	Richmond Co.	On-going				N
Enforce existing Tree Ordinance-developments	Richmond Co.	On-going				N
Increase bike and pedestrian routes	Richmond Co.	On-going				N
Community education	Richmond Co.	On-going				N
Enforce existing open burning restrictions	Richmond Co.	On-going				N
Support Long Range Transportation Plan	Richmond Co.	On-going				N
Support initiatives-rural public transportation	Richmond Co.	On-going				N
Incorporate Early Action Plan-municipal plans	Richmond Co.	On-going				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
<b>Comments:</b>						
<b>19 Upper Savannah, SC</b>						
Gas Can Exchange Event - 100 cans were distributed	Greenwood Co.	June 2004	334 lbs/yr			N
<b>Comments:</b>						
<b>20 Waccamaw, SC</b>						
Gas Can Exchange Event - 250 cans were distributed	Georgetown Co.	June 2004	334 lbs/yr			N
<b>Comments:</b>						
<b>21 Chattanooga, TN-GA (Effective date of nonattainment designation deferred)</b>						
Stage 1 Vapor Recovery	Hamilton Co.	May 2005	2.1 TPD			Y
Seasonal Open Burning Ban	Hamilton Co.	May 2005	1.62 TPD	0.58 TPD		Y
Vehicle I & M plan	Hamilton Co.	April 2005	2.11 TPD	1.2 TPD		Y
Ozone Action Days Program: Spare the Air	Hamilton, Marion & Meigs Cos.	May 2004	0.17 TPD	0.13 TPD		Y
Ozone Action Days Program: Spare the Air	Catoosa, Walker-Ga	May 2004	NQ	NQ		N
Stage 1 Vapor Recovery	Catoosa, Walker-Ga	2007	0.81 TPD			Y
Seasonal Open burning ban-ozone season	Catoosa, Walker-Ga	2005 Ozone season	0.64 TPD	0.18 TPD		Y
Municipal Buses - Increased ridership	Chattanooga Area	On-going	NQ	NQ		N
Intelligent Transportation System: Smartway	Chattanooga Area	Early 2005	NQ	NQ		N
HELP Trucks	Chattanooga Area	June 2000	NQ	NQ		N
Diesel Retrofits	Chattanooga Area	May 2004	NQ	NQ		N
Bike Trails and Bike Racks at Work Sites	Chattanooga Area	Implemtented	NQ	NQ		N
Pedestrian Greenways	Chattanooga Area	April 2004 - March 2009	NQ	NQ		N
Accelerated Replacement of On-Road Vehicles	Chattanooga Area	Dec. 2006	NQ	NQ		N
Bio-diesel and Alternative Fuel Vehicles	Chattanooga Area	Dec. 2004	NQ	NQ		N
Replacement of on- and off-road diesel vehicles	City of Chattanooga	2005	NQ	NQ		N
<b>Comments:</b>						
<b>25 Nashville, TN (8 counties) (Effective date of nonattainment designation deferred)</b>						
Traffic signal synchronization	Davidson, Rutherford, Sumner, Wilson, Williamson Cos.	2004-2006	0.26 TPD	0.21 TPD	\$10 million committed	N
New infrastructure-rideshare program	Davidson, Rutherford, Sumner, Wilson, Williamson Cos.	2004-2006	0.01 TPD	0.008 TPD	\$3.6 Million	N
Trip reduction	Davidson, Williamson Cos.	2004-2006	0.068 TPD	0.053 TPD	\$8.65 Million	N
Roadside assistance program	Davidson Co.	Implemented	0.031 TPD	0.031 TPD		N
Addition of HDGV2B Weigh Class Vehicles to existing IM program	Davidson, Rutherford, Sumner, Williamson and Wilson Cos.	April 2005	0.045 TPD	0.023 TPD		Y

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
New pedestrian facilities;bikeways	Davidson, Rutherford Cos.	2004-2006	0.08 TPD	0.061 TPD	8 million Federal & State matching	N
HOV lanes - I-24,40	Davidson, Rutherford Cos.	2004-2007	0.021 TPD	0.017 TPD	192 million	N
Ban open burning-ozone action days	Davidson Co.	March 2004	0.11TPD	0.423 TPD		N
Improve bus ridership	Davidson Co.	2004-2006	0.01 TPD	0.01 TPD		N
New Rail Service (Nashville-Lebanon corridor)	Davidson and Wilson Cos.	2005-2006	0.06 TPD	0.03 TPD	1.2 million Programmed	N
Land use controls-reduce VMT	Nashville EAC area	2004 and Beyond	0.25 TPD	0.61 TPD		N
Air Quality Action Days	Nashville EAC area	Implemented	0.47 TPD	1.2 TPD	761,500 local	N
<b>Comments:</b>						
<b>27 Tri-Cities, TN (Effective date of nonattainment designation deferred)</b>						
Ozone Action Day Program	Area-wide	2001	NQ	NQ		N
Open burning ban during Ozone Action Days	Carter, Hawkins, and Sullivan Counties	Implemented	NQ	NQ		N
Transportation Emission Reduction Control Measures	Bristol MPO , Kingsport MPO and Johnson City MPO	2005-2007	NQ	NQ		N
Stage I Vapor Recovery	Carter, Hawkins, Sullivan, Washington and Unicoi Cos.	May 2006	NQ	NQ		N
<b>Comments:</b>						
<b>21 Tennessee State Measures</b>						
Light Duty Motor Vehicle I & M	State-wide	April 2005				Y
Anti Motor Vehicle Tampering	State-wide	Dec. 2004	NQ	NQ		N
Volatile Organic Compounds Reductions	Multiple Counties	May 1, 2006				
<b>Comments:</b>						
<b>2 Shreveport, LA</b>						
Synchronize traffic lights	Shreveport	2003	0.048 TPD	0.01 TPD		Y
GM plant to install new VOC abatement system	Caddo Parish	2003	1.37 TPD	0		Y
Natural gas processing plant-reduce Nox and VOC emissions by 90%	Center Point Energy, Bossier Parish	End of 2005	0.014 TPD	2.56 TPD		Y
Gas collection system-solid waste landfill	Shreveport	Nov. 2003	NQ	NQ		N
Energy conservation- 33 city buildings - over 20 year upgrade	Shreveport	2004	NQ	0.041 TPD		Y
Purchase 1 hybrid electric bus	Shreveport	2005	0	0.002 TPD		Y
<b>Comments:</b> Methodology for control measures is provided in the Shreveport-Bossier Citey EAC Air Quality Improvement Plan, Appendix A, Table 7-3, pages 7-15.						
<b>9 Central Oklahoma</b>						

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Transportation system improvements - intersection improvement, signal modification/interconnection, continuous left turn lanes	ODOT- Oklahoma City, Del City, Edmond, Moore, Norman, Midwst City	2004-2005	119.97 lbs/day	78.47 lbs/day		Y
Bike/pedestrian facilities	Edmond, Oklahoma City, Norman	2005	NQ	NQ		N
Intelligent Transportation Systems Projects	ODOT - within EAC area	2004-2005	35.58 lbs/day			N
<b>Comments:</b> The Intelligent Transportation System improvements in the Central, OK EAC area all pertain to freeway management; specifically the installation of 40 closed circuit TVs, 122 webcams, and 4 dynamic message boards.						
<b>10 Tulsa, OK</b>						
Transportation Emission Reduction Strategy - roadway expansion and intersection improvement projects	Metropolitan Planning Organization	Dec. 31, 2005	0.02 TPD	2.62 TPD		Y
<b>Comments:</b>						
<b>4 San Juan Co., NM</b>						
Public outreach website: including health-related info developed by EPA; basic ozone info; ozone monitoring for the 2 sites in San Juan County; public outreach materials for children; related ozone studies; upcoming meetings, press releases and PSAs.	NM Environment Department-outreach and PSAs within San Juan Cty	Any outstanding work will be completed by Dec. 31, 2005				N
Education outreach-school: ozone education workbook and poster for 10-12 yr olds describing ozone and how to reduce ozone pollution locally.	NMED - Schools within San Juan Cty	Began in 2004 and continues through 2006				N
Voluntary program-oil/gas production--"VISTAS" (Voluntary Innovative Strategies for Today's Air Standards) see <a href="http://www.nmenv.state.nm.us/aqb/projects/SJV/index.html">http://www.nmenv.state.nm.us/aqb/projects/SJV/index.html</a> for details	NM Environment Department	Implemented				N
<b>Comments:</b> "VISTAS" is a pilot program, modeled after EPA's Natural Gas STAR program and part of the Clean Air Action Plan for the San Juan County EAC. Purpose is to identify, promote and implement cost-effective technologies and Best Management Practices to reduce NOx and VOCs. VISTAS is open to companies in the oil & gas exploration and production industries in San Juan, Rio Arriba, and Sandoval Counties. The program has one partner to date, Burlington Resources, San Juan Division. Additional partners may join the program prior to final rulemaking.						
<b>28 Austin, TX</b>						
I&M - requires State reg; Onboard Diagnostics (1996 & newer models) & Two-Speed Idle test for 1995 model yr & older (also includes guidelines for approval of exhaust gas analyzers & a Low Income Repair Assistance Program)	Travis & Williamson Counties	by Dec. 31, 2005	3.83 TPD (12.6%)	3.22 TPD (10.3%)		Y



Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Heavy-duty diesel Idling restrictions (5-minute limit on diesel idling from April 1 to October 31 annually). For owners/operators of (primarily) heavy-duty diesel vehicles, county & municipality law enforcement agencies or designees.	State-wide contingent on enforcement agreements w/ local jurisdictions. MOUs finalized by August 30, 2005	by Dec. 31, 2005	0 TPD	0.67 TPD		Y
Portable Fuel Container Rule--establishes new requirements relating to the design criteria of "no spill" for portable fuel containers and spouts.	TCEQ--adopted State-wide	by Dec. 31, 2004	0.89 TPD	0		Y
Stage I vapor recovery requirement change lowers exemption level from 125k gal/mo to 25k gal/mo	TCEQ / implemented in Austin EAC area	by Dec. 31, 2005	4.88 TPD	0 TPD		Y
Texas Emission Reduction Program (TERP)-- provides financial incentives to repower, retrofit or replace on & nonroad diesel engines with cleaner equipment. This voluntary program is available to all public and private fleet operators that operate qualifying equipment in any of the 5 counties. See TERP web page at <a href="http://www.terpgrants.org">http://www.terpgrants.org</a>	TCEQ / Austin EAC area is eligible	by Dec. 31, 2005	0 TPD	2 TPD	TCEQ has committed funding from TERP for 2.5 tpd of Nox reductions.	Y
Degreasing controls	Austin EAC area	by Dec. 31, 2005	5.55 TPD	0 TPD		Y
Cutback Asphalt	TCEQ	by Dec. 31, 2005	1.03 TPD	0 TPD		Y
Energy efficiency / Renewable energy projects--TCEQ	Austin EAC area	On-going				N
Power Plant Reductions--enforceable commitments by Austin Energy & Lower Colorado River Authority (LCRA), University of TX and Fayette Power Project (FPP)	Bastrop, Travis & Fayette Counties	Austin Energy by April 1, 2005; LCRA by Dec. 31, 2005; Univ. of TX & FPP by Dec. 31, 2006	0 TPD			N
Low emission diesel for fleets	Austin, Travis, Williamson cos	On-going				N
Transportation emission reduction measures (TERMs) include improved transit options & level of service, intersection improvements, grade separations, signal synchronization improvements, traffic flow improvements, park & ride facilities, bike/ped facilities, HOV lanes, rail, demand management & intelligent transportation systems	Austin EAC area	On-going	0.83 TPD	0.72 TPD		Y
Clean Air Partners Program (CLEAN AIR Force of Central TX) assists companies in reducing emissions (strategies include commute alternatives, such as carpooling / vanpooling, transit, teleworking/telecommuting, flex-time & bicycling, Green Choice energy, low emission construction activities, water-conserving landscaping practices). Over 60 Partners in the area.	Austin EAC area	Ongoing				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Access management--adopt access management regulations or guidelines for new or re-development. TxDOT has proposed guidance. Includes managing roadway access by limiting number and location of allowable curb cuts and driveways, consolidating access to multiple business through one main driveway, side road, etc. Reduces congestion, vehicle delay and associated emissions.	Cities of Bastrop, Elgin, & Lockhart	On-going				N
Alternate commute infrastructure requirements--Requires all new non-residential developments of 25,000 sq.ft or more and developments that increase their square footage 25% or more and have/expect 100+ employees on the site to include bicycle commuting facilities (parking/racks and showers) and preferential carpool/vanpool parking spaces.	Cities of Austin, Bastrop, & Elgin	On-going				N
Drive-through facilities on ozone action days--require or encourage businesses with drive-through facilities to post signs on Ozone Action Days asking customers to park and come inside instead of using drive-thru.	Cities of Austin, Lockhart	On-going				N
Expedited permitting for mixed use, transit-oriented or in-fill-development-- provided developments meet certain performance criteria	Cities of Bastrop & Elgin	On-going				N
Airport Clean Air Plan--includes use of electric or alternative fuels for airport ground service equipment and shuttle buses; ABIA Airside Incentives for ground service equipment; alternative fuels for Austin's aviation fleet	City of Austin	On-going				N
Low VOC striping material--require use of reformulated striping material products (eg, water-based paints or thermoplastic) to reduce VOC emissions. Traffic markings using conventional (solvent, water-based) paints will need to be applied annually, while thermoplastics can last 5-9 years (Utah DOT, 2003)	Cities of Austin, Bastrop, Elgin, & Lockhart	On-going				N
Open burning restrictions--amend and/or adopt regulations to ban open burning during peak ozone	Cities of Round Rock, Bastrop & Elgin	On-going				N
Tree planting program-specifies low VOC-emitting trees in local lists of regionally appropriate plantings. Local areas may also implement landscaping ordinances to require additional urban tree planting.	Cities of Austin, Bastrop, Elgin & Lockhart; and Williamson and Hays Counties	On-going				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Extend energy efficiency requirements-State legislature set target of 5% reduction in energy usage per year;however, each individual political subdivision is responsible for adopting ordinances, resolutions, procedures or plans to demonstrate its commitment.	City of Austin	On-going				N
Shift electric load profile--requires commercial facilities to develop overnight the reservoir of cold water needed to meet air conditioning needs the following day. Total energy consumption & emissions are not reduced, but emissions are not generated during the day, reducing the potential for ozone formation.	Austin	On-going				N
Environmental dispatch of power plants--designed to meet peak demands; strategy would involve "ramping up" power generation facilities that are either cleaner than normally used or located away from high NOx-producing areas.	City of Austin	On-going				N
Low emission vehicles--encourage and/or provide incentives for purchase of tier 2 Bin3 or cleaner vehicles	Cities of Austin, Lockhart	On-going				N
Adopt a school bus program--Encourages local school districts to replace or retrofit old diesel school buses with new, cleaner buses.	City of Lockhart	On-going 2003 under auspices of the CLEAN AIR Force of Central TX		Potential for 80 TPY based on replacement of 200 school buses over 3 yr period	50% corporate sponsorship, 50% school district funds. EPA provides seed money	N
Police Dept Ticketing - Implement aggressive local police enforcement of speed limits and smoking vehicle restrictions.	City of Lockhart	On-going				N
Business evaluation of fleet usage, including operations and right sizing (ie, selection of the cleanest vehicles, consolidating/coordinating trips., etc.)	City of Austin and Travis & Williamson Counties	On-going				N
Commute solutions programs-compressed work week;carpool/alternative transportation incentives;flexible work schedule; transit pass subsidized by employer, teleworking, etc	Cities of Austin & Lockhart	On-going				N
Direct deposit--offer employees direct deposit potentially saving at least one vehicle errand per pay period.	Austin, Lockhart & Bastrop; increased commitment in Hays County	On-going				N
e-Government and/or available locations--provide web-based services, both for information and transactions, and/or multiple locations for payments, etc. Reduces VMT and associated emissions.	Austin & Round Rock; increased commitment in Williamson County	On-going				N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Fueling vehicle in evening--promotes fueling vehicles after peak hot periods of the day during ozone season	Cities of Austin & Lockhart; increased commitment in Hays County	On-going				N
Urban Heat Island/Cool cities program-- develop mitigation strategies such as planting vegetation, cool roofing and light colored pavement.	City of Austin	On-going				N
Resource conservation--expand and quantify ongoing resource conservation programs (eg, materials recycling, water and energy conservation, etc.)	Austin & Hays County	On-going				N
Increase investments by Central TX electric utility providers in energy demand management programs-- Encourages utility providers in the region to develop financial incentives for installation of energy efficient appliances and technologies.	City of Austin	On-going				N
Contract provisions for construction-related emissions on ozone action days. Public contracts may include provisions to limit construction activities and equipment operation on high ozone days. A specified number of high ozone days would be built into the contract.	City of Austin	On-going				N
Ensure emission reductions in SEPs, BEPs, and similar agreements--EPA and/or TCEQ would consult with the local EAC signatories when developing any air quality related environmental mitigation agreement, such as SEP, BEP or other similar agreement.	Cities of Bastrop, Elgin, & Lockhart	On-going				N
Ozone action day education program, including ozone action days and recommended actions.	Austin, Bastrop, Elgin, & Lockhart; and Hays County	On-going				N
Ozone Action Day response program--implement a program of specific emission reduction measures taken on ozone action days.	Austin; and Travis, Williamson, & Hays Counties	On-going				N
Landscaping (education program)--outreach to local stakeholders encouraging voluntary implementation of delaying landscape work until noon on high ozone days.	City of Lockhart	On-going				N
Residential electric lawnmower exchange program-- incentives to trade-in gas-powered lawnmowers for electric lawnmower models at participating retail stores.	Local area organizations are considering	Program operated in 1997, 2002 & 2003				N
State Agency Voluntary Commute Reduction Projects - supports efforts by State government agencies to voluntarily reduce emissions through reductions in employee commuting.	State wide	Voluntary	On-going			N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
<p><b>Comments:</b> Measures included in attainment demonstration are either State-assisted (eg, I/M) which would apply to all or most jurisdictions in the Austin EAC area, or locally-implemented measures which are self-selected by the EAC signatories, with each encouraged to implement at least three in addition to continuing Ozone Flex commitments. Jurisdictions could choose to enhance an existing Ozone Flex measure. Attainment Demo summary: Without any additional control strategies, the area will be in attainment in 2007. The additional modeled control strategies further support the conclusion that the area will be in attainment in 2007.</p> <p><b>Control strategy comments:</b> Portable container rules will establish design criteria for "no spill" portable fuel containers based in large part on CARB standards. These rules will limit the type of portable fuel containers and spouts sold, offered for sale, manufactured, and/or distributed in the State of TX. The power plant reductions were not modeled, because the power plants can only commit to annual reductions, not daily reductions.</p>						
<b>29 Northeast Texas, TX</b>						
Eastman Chemical plants-enhanced leak detection/repair (Voluntary Emissions Reduction Permits 47007, 48588, 48590)	TCEQ/Longview	On-going; 2005	0.63 TPD	0 TPD		Y
Huntsman Chemical - enhanced leak detection/repair (voluntary reductions part of new Flexible Plant-wide Applicability Permit Limit (PAL)--Permit # 18105	TCEQ/Longview	2004	0.08 TPD by 2005; 0.12 TPD by 2008			N
NOx reduction strategies for gas compressor engines	EAC area	2005	0 TPD	TBD	Funding thru TERP	N
18 propane vans--DOE Clean Cities Program; voluntary on-road vehicle emission reductions	Longview, Tyler/East TX COG	2003-2004	0.4TPY	2.0TPY		N
Public awareness program--includes ozone watch and warning communications network between local gov't & industries to communicate ozone action day forecasts issued by TCEQ; a NETAC website; public service announcements; school programs and teacher training workshops; distribution of public information & educational materials; and an Annual Ozone Season kick-off meeting for NE TX	EAC area	2003				N
Energy efficiency programs: City of Tyler--building lighting; HVAC & Controls Upgrades; Traffic Light Upgrades; Park Lighting Upgrades; and Wastewater Plant Motor and Controls Upgrades; City of Longview--Improvements in lighting, HVAC systems, swimming pool operations and purchase of energy efficiency rated equipment for Public Safety communications; City of Marshall is initiating an energy efficiency plan with assistance from Texas A&M University.	Longview, Tyler, Marshall	2003-2008				N
<p><b>Comments:</b> Leak Detection &amp; Repair Programs at Eastman Chemical &amp; Huntsman Chemical are enforceable by the state, but reductions from these measures were not included in the attainment demonstration; therefore, these reductions will be in addition to the currently modeled local controls.</p>						
<b>30 San Antonio, TX (Effective date of nonattainment designation deferred)</b>						
Degreasing controls	EAC area	by Dec. 2005	85 %			N

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
Stage I Vapor Recovery (At the request of local governments, TCEQ lowered the exemption level for facilities subject to Stage I vapor recovery controls from 125,000 gal/mo to 25,000 gal/mo)	EAC area	by Dec. 2005	5.81 TPD	0 TPD		Y
Energy efficiency / Renewable energy projects--TCEQ	EAC area	On-going	0 TPD	0.06 TPD		N
Transportation emission reduction measures (TERMs) (traffic signalization & intelligent transportation systems)	EAC area	by Dec. 2005	0.92 TPD	0.32 TPD		Y
Transportation Demand Management (TDM) (rideshare, telecommuting, flex time, compressed workweek & staggered hours)	EAC area	by Dec. 2005	0.03 TPD	0.026 TPD		N
Alternative Fuel Vehicles	EAC area	On-going	62 lb/day	689 lb/day		N
Lawnmower Recycling Program (rebate program) replacing gas-powered lawn equipment with electric	Bexar County	by Dec. 31, 2005	114.24 lb/ozone	4.78 lb/ozone season day		N
Texas Emission Reduction Program (TERP)--provides financial incentives to repower, retrofit or replace on & nonroad diesel engines with cleaner equipment	TCEQ / EAC area is eligible to participate	by Dec. 31, 2005	0 TPD	2 TPD	TCEQ committed funding from TERP for 2.5 tpd of NOx reductions;& 2 tpd committed by EAC signatories.	Y
Portable Fuel Container Rule	State-wide	by Dec. 31, 2005	45 %			Y
Truck Stop Anti-idling program, with service for 53 parking spaces. Removes 100% of emissions assoc w/ diesel idling, including NOx and VOCs	one truck stop . Off I-10 in San Antonio	by Dec. 31, 2005				N
Windshield Wiper Fluid	Statewide	by Dec. 31, 2005				N
Public education program--main goal is to familiarize the public with actions they can take to improve the air	EAC area	by Dec. 31, 2005				N
<b>Comments:</b> Within the public education program, the Adopt-a-School Bus program is projected to replace 275 older buses over the next three years, reducing emissions of NOx by 110 tpd.						
<b>1 Denver, CO (Effective date of nonattainment designation deferred)</b>						
Lower Reid vapor pressure	AQCC/7 County	March 12, 2004	10 TPD			Y
Reduce flash VOC emissions from condensate collection at various natural gas facilities	AQCC/8 County	by Dec. 31, 2005	55 TPD	0 TPD		Y
Control IC engines>500 HP	AQCC/8 County	Dec. 2005	5.5 TPD	19 TPD		Y
Control dehydration units	AQCC/8 County	Dec. 31, 2005	0.5 TPD	0 TPD		Y
Reduce % of clean screen program	AQCC/7 County	Dec. 2005	9.1 TPD	0.3 TPD		Y

Control Measure	Agency / Location	Implement Date	VOC Reduction	NOx Reduction	Funding Level	Measure Modeled (Y/N)
<b>Comments:</b> The EAC area includes the AQCC - Colorado Air Quality Control Commission 7-county area - Adams, Arapahoe, Broomfield, Boulder (includes part of Rocky Mountain National Park), Denver, Douglas and Jefferson plus part of Weld and Larimer counties.						
<b>NOTES:</b> <sup>1</sup> EAC identification number used to link entries in earlier control measures summary tables to a specific EAC.						